

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1585863

Luminaire Tested: 14CZSP-SB-70-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-70-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 6700 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

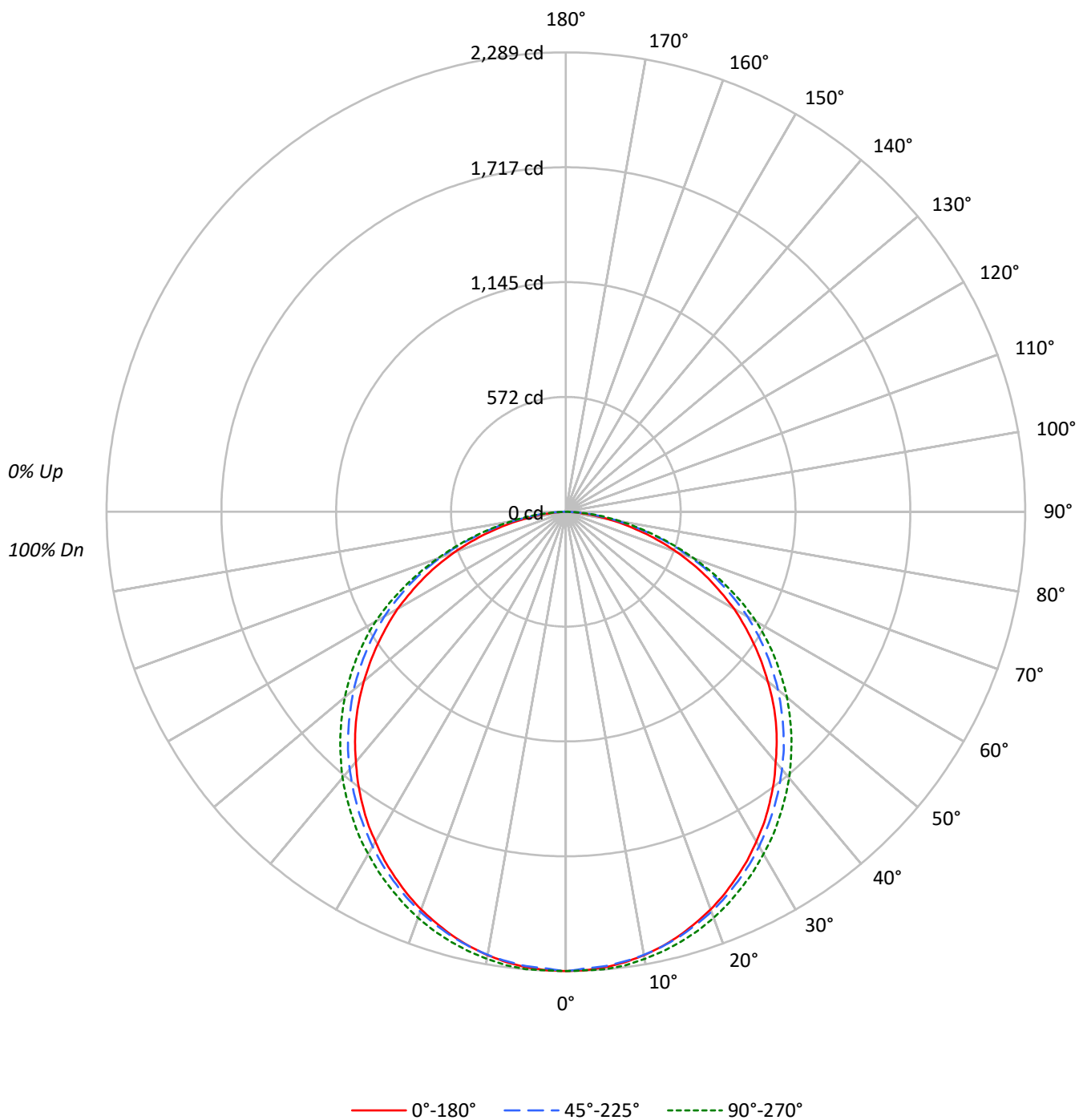
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6612.0 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7712	7712	7712
5°	7706	7687	7738
10°	7678	7671	7740
15°	7629	7645	7735
20°	7561	7606	7722
25°	7479	7550	7691
30°	7386	7493	7663
35°	7283	7432	7636
40°	7156	7369	7616
45°	7053	7303	7575
50°	6885	7235	7539
55°	6709	7139	7481
60°	6528	7035	7381
65°	6234	6850	7100
70°	5818	6540	6699
75°	5183	5928	6101
80°	4232	5138	5396
85°	2799	4087	4380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.8	3.3
10°-20°	620.9	9.4
20°-30°	940.1	14.2
30°-40°	1134.7	17.2
40°-50°	1185.0	17.9
50°-60°	1084.1	16.4
60°-70°	838.1	12.7
70°-80°	474.5	7.2
80°-90°	117.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1777.8	26.9
0°-40°	2912.5	44.0
0°-60°	5181.6	78.4
0°-90°	6612.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6612.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2289	2289	2289	2289	2289	
5°	2278	2294	2272	2274	2288	216
15°	2187	2206	2192	2202	2217	617
25°	2012	2037	2031	2050	2069	927
35°	1771	1795	1807	1837	1856	1108
45°	1480	1509	1532	1572	1590	1140
55°	1142	1176	1215	1253	1273	1021
65°	782	814	859	885	890	772
75°	398	432	455	467	469	422
85°	72	84	106	110	113	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2288.7	2288.7	2288.7	2288.7	2288.7
2.5°	2285.8	2302.0	2277.3	2282.0	2286.8
5°	2278.2	2294.4	2272.5	2274.4	2287.7
7.5°	2263.9	2282.0	2259.2	2263.0	2279.2
10°	2243.9	2262.0	2242.0	2245.8	2262.0
12.5°	2218.2	2236.3	2219.2	2224.9	2243.0
15°	2186.8	2205.8	2191.5	2202.0	2217.3
17.5°	2148.7	2172.5	2157.3	2173.4	2188.7
20°	2108.7	2132.5	2121.1	2135.4	2153.4
22.5°	2063.0	2086.8	2078.2	2093.4	2113.4
25°	2011.5	2037.3	2030.6	2049.6	2068.7
27.5°	1958.2	1983.0	1981.1	2002.0	2022.0
30°	1898.2	1924.9	1925.8	1950.6	1969.6
32.5°	1838.2	1862.0	1867.7	1895.3	1917.2
35°	1770.6	1795.3	1806.8	1837.2	1856.3
37.5°	1702.0	1729.6	1742.0	1775.3	1795.3
40°	1626.8	1658.2	1675.3	1710.6	1731.5
42.5°	1555.3	1583.9	1606.8	1642.0	1661.0
45°	1480.1	1508.7	1532.5	1571.5	1589.6
47.5°	1399.1	1430.6	1456.3	1494.4	1514.4
50°	1313.4	1347.7	1380.1	1417.2	1438.2
52.5°	1228.6	1262.0	1299.1	1335.3	1356.3
55°	1142.0	1176.3	1215.3	1253.4	1273.4
57.5°	1054.3	1088.6	1131.5	1165.8	1186.7
60°	968.6	1000.1	1043.9	1078.2	1095.3
62.5°	871.5	907.7	952.4	986.7	996.2
65°	781.9	814.3	859.1	884.8	890.5
67.5°	686.7	719.1	763.9	778.1	786.7
70°	590.5	624.8	663.8	673.4	680.0
72.5°	493.4	528.6	559.1	568.6	574.3
75°	398.1	432.4	455.3	466.7	468.6
77.5°	305.7	337.2	358.1	371.4	371.4
80°	218.1	241.9	264.8	279.1	278.1
82.5°	139.1	157.2	181.0	191.4	198.1
85°	72.4	83.8	105.7	110.5	113.3
87.5°	22.9	29.5	38.1	31.4	30.5
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.78	20.43	19.14	20.74	21.06	19.32	20.97	19.68	21.28	21.60
	3H	20.55	22.04	20.93	22.37	22.73	21.18	22.67	21.56	23.00	23.36
	4H	21.17	22.58	21.57	22.93	23.30	21.85	23.26	22.25	23.61	23.98
	6H	21.58	22.88	21.99	23.25	23.64	22.34	23.64	22.75	24.01	24.40
	8H	21.68	22.93	22.10	23.32	23.71	22.49	23.74	22.92	24.13	24.53
	12H	21.73	22.92	22.16	23.30	23.73	22.59	23.79	23.02	24.17	24.60
4H	2H	19.52	20.92	19.91	21.27	21.65	19.94	21.35	20.34	21.69	22.07
	3H	21.51	22.69	21.92	23.09	23.49	22.02	23.20	22.43	23.60	23.99
	4H	22.26	23.33	22.69	23.74	24.18	22.82	23.89	23.25	24.30	24.73
	6H	22.78	23.71	23.23	24.15	24.61	23.43	24.37	23.89	24.81	25.26
	8H	22.91	23.79	23.37	24.23	24.69	23.64	24.51	24.09	24.95	25.42
	12H	22.99	23.78	23.47	24.25	24.72	23.77	24.56	24.25	25.04	25.50
8H	4H	22.61	23.49	23.07	23.93	24.39	23.11	23.98	23.57	24.42	24.89
	6H	23.25	23.97	23.74	24.46	24.93	23.84	24.57	24.33	25.05	25.53
	8H	23.44	24.09	23.95	24.60	25.08	24.11	24.76	24.62	25.27	25.76
	12H	23.56	24.14	24.07	24.63	25.19	24.32	24.90	24.83	25.39	25.95
12H	4H	22.65	23.44	23.13	23.92	24.38	23.13	23.92	23.61	24.39	24.86
	6H	23.31	23.96	23.82	24.47	24.95	23.88	24.54	24.39	25.04	25.53
	8H	23.56	24.14	24.06	24.63	25.19	24.21	24.79	24.72	25.28	25.84